

20220722/000001

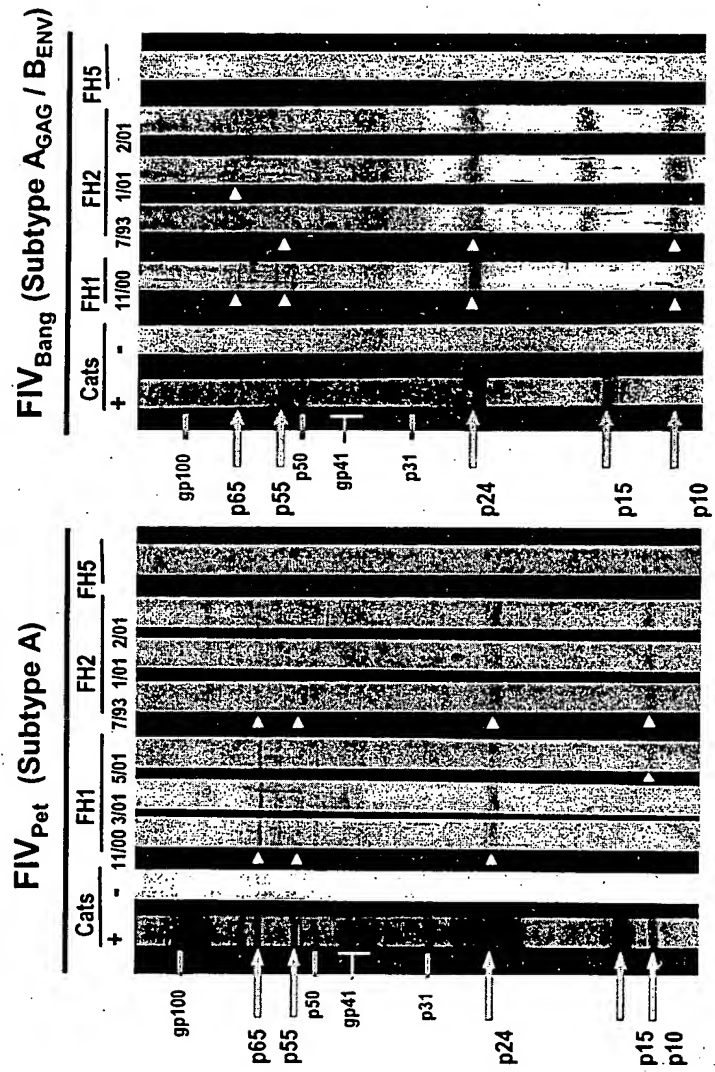


FIG. 1A

FIG. 1B

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FIV_{Shi} (Subtype D)

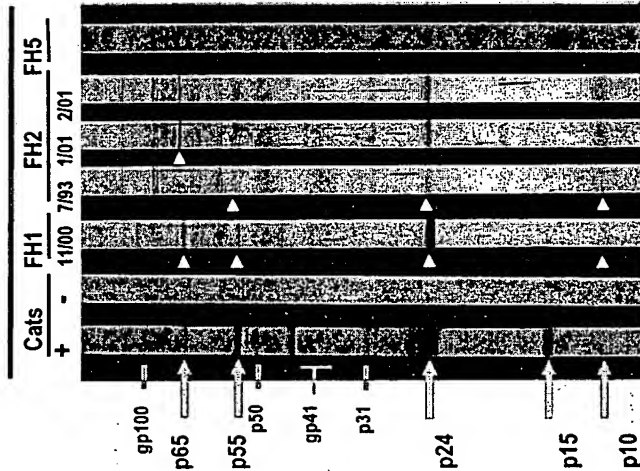
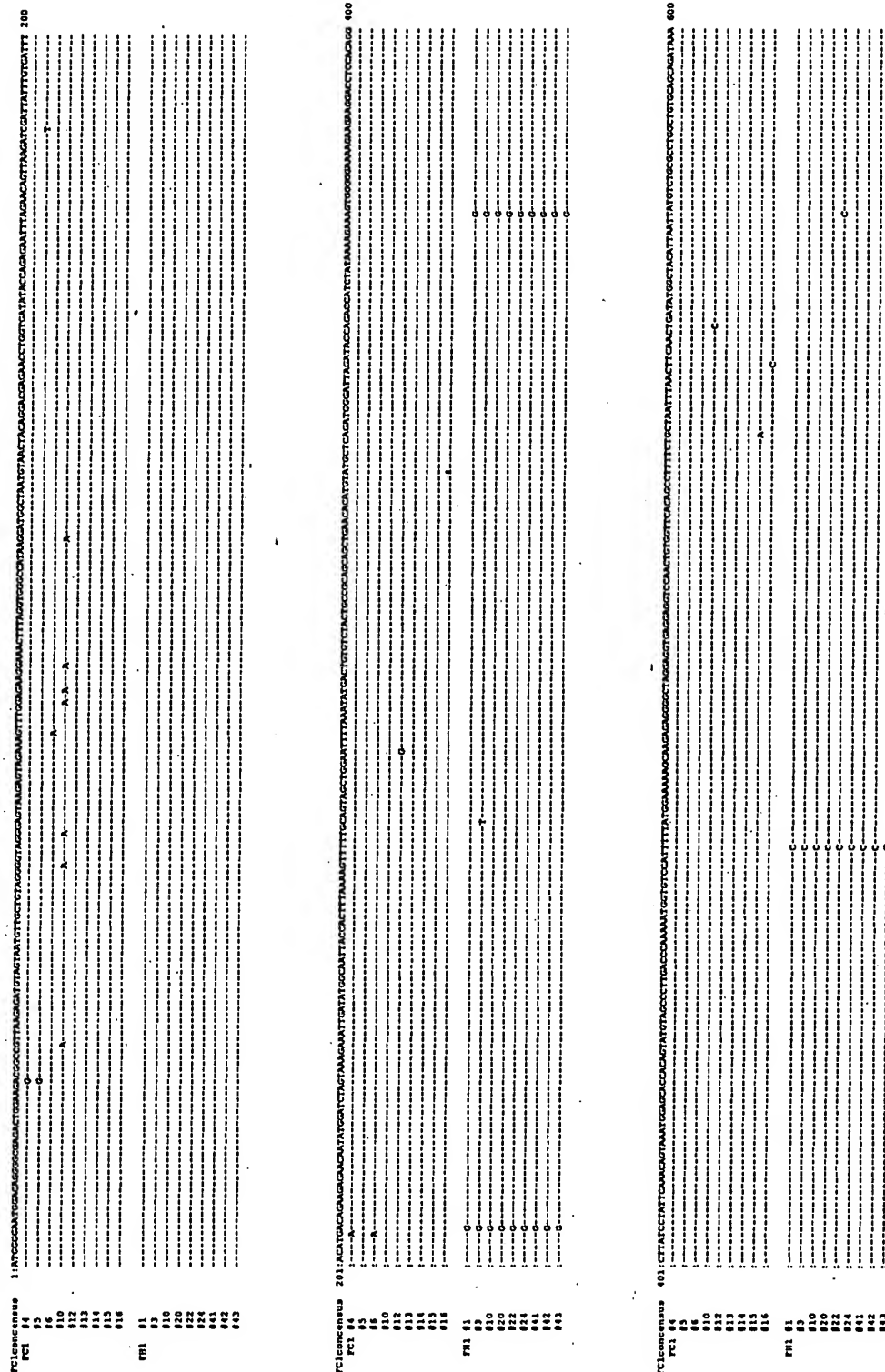


FIG. 1C

VN ANTIBODY ANALYSES	FH1		FH2		FH3		Pooled		C9V
	11/00	3/01	5/01	7/93	2/01	3/01	6/01	HIV+ Pre	36 wk
Anti-FIV / FC1:	<5	5	<5	5	<5	<5	<5	<5	5
Anti-FIV / Pet:	<5	<5	<5	<5	<5	<5	<5	<5	500
Anti-FIV / UK8:	10	<5	<5	25	<5	<5	<5	<5	5
Anti-HIV-1 / UCD1:	<5	<5	<5	<5	<5	<5	<5	500	<5
Anti-HIV-1 / LAV:	<5	<5	<5	<5	<5	<5	<5	500	<5

FIG. 1D

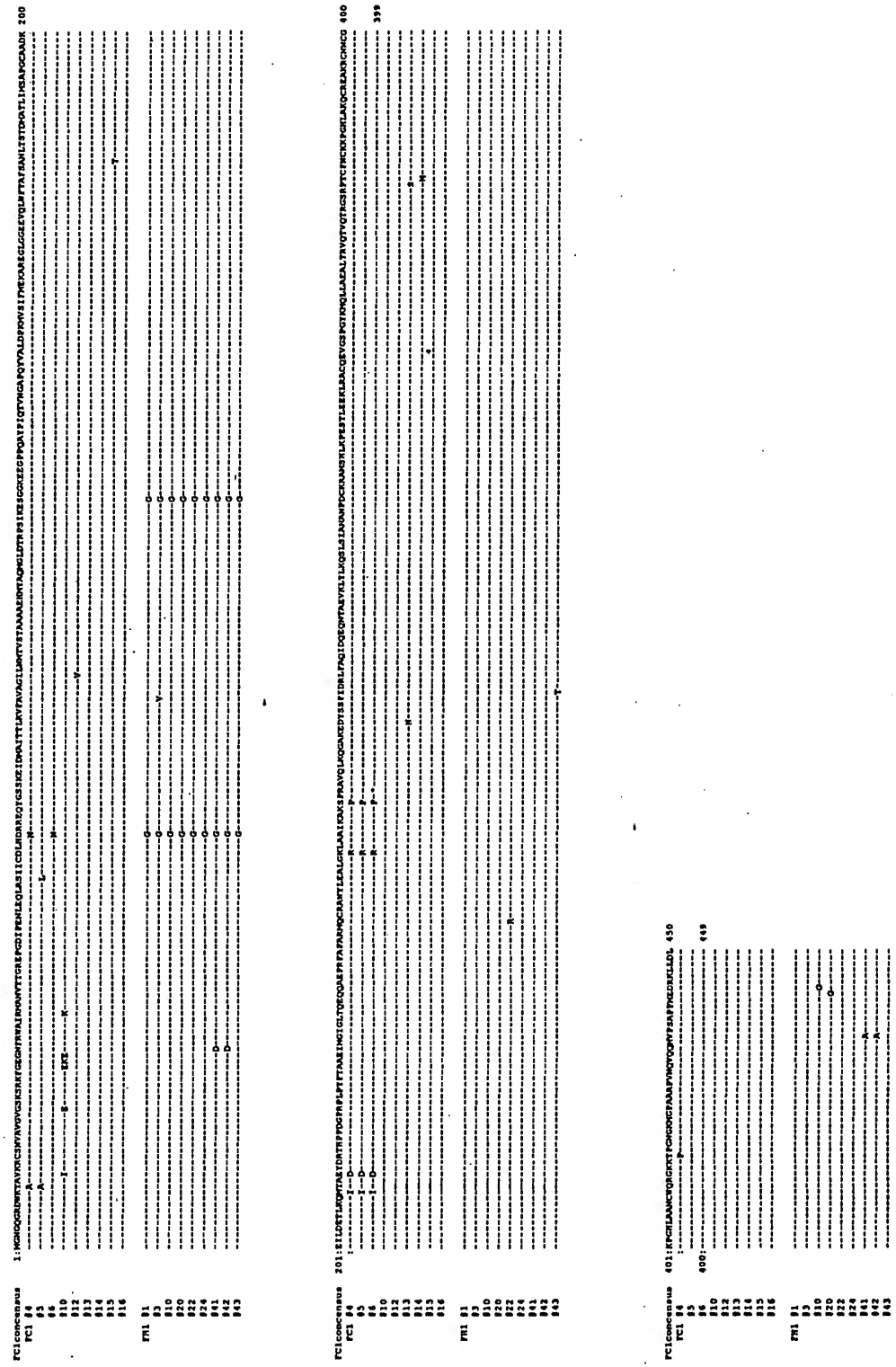
Figure 2A Alignment of gag sequence of FC1 and FH1
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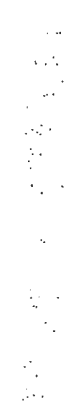


[illegible][illegible][illegible][illegible]

FIG. 2A--continued

Figure 2B Alignment of gag amino-acid sequences of FC1 and FH1



[illegible]

202220-2208001

BIO-RAD NOVAPATH HIV-1_{UCD1}

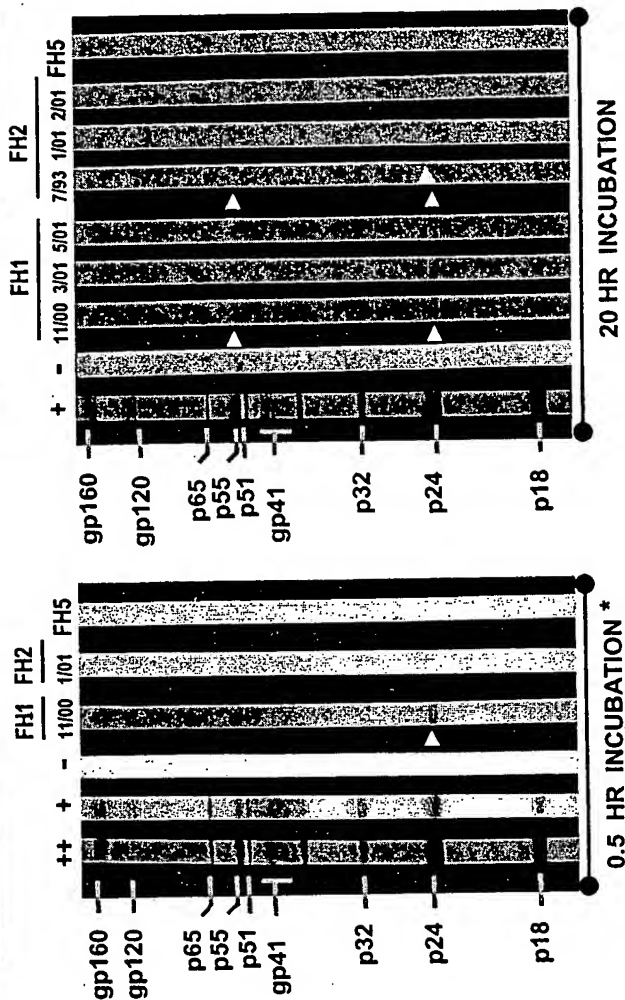
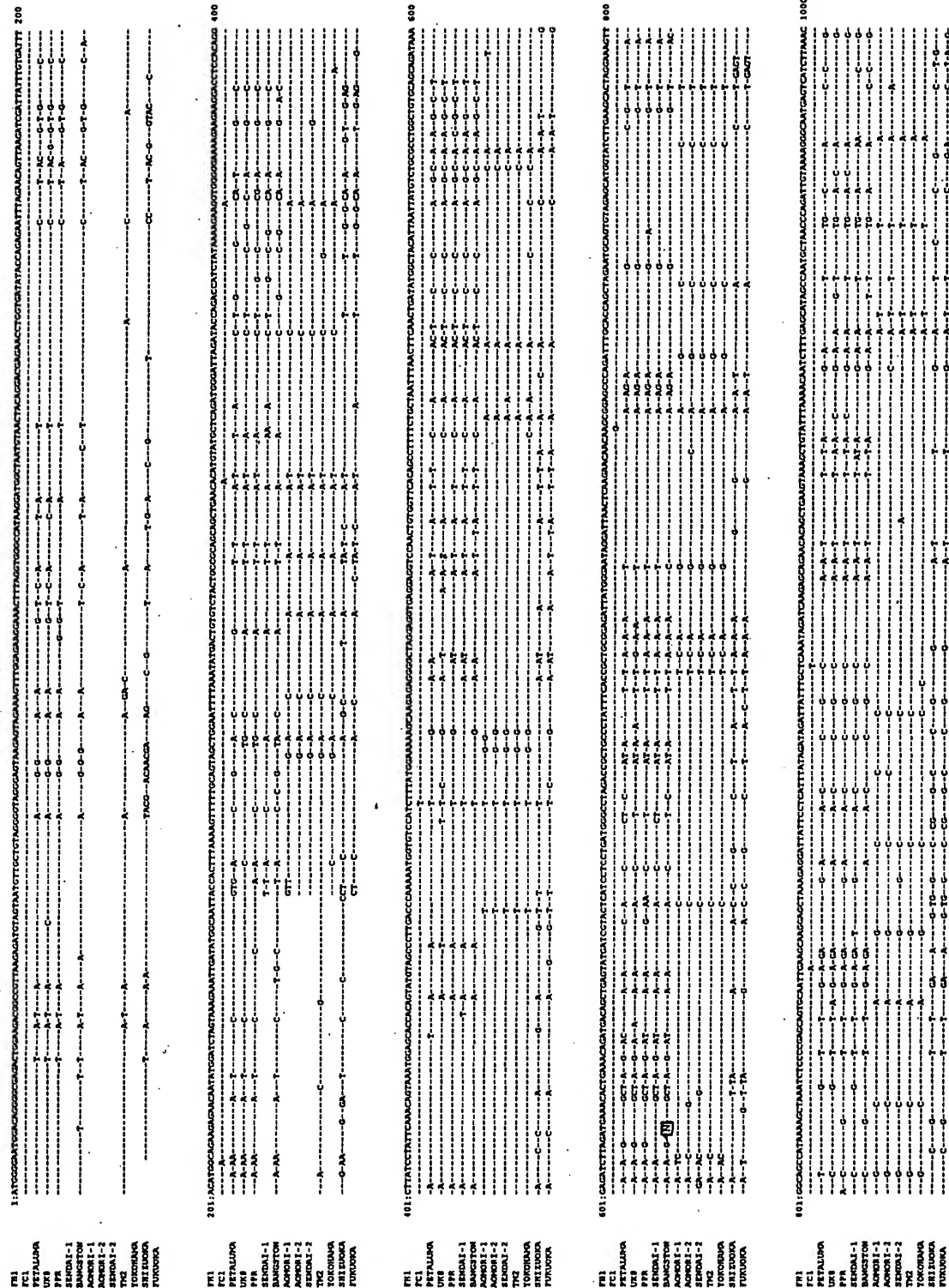


FIG. 3B

FIG. 3C

100307Z 022200Z



[illegible][illegible]

FIG. 4--continued

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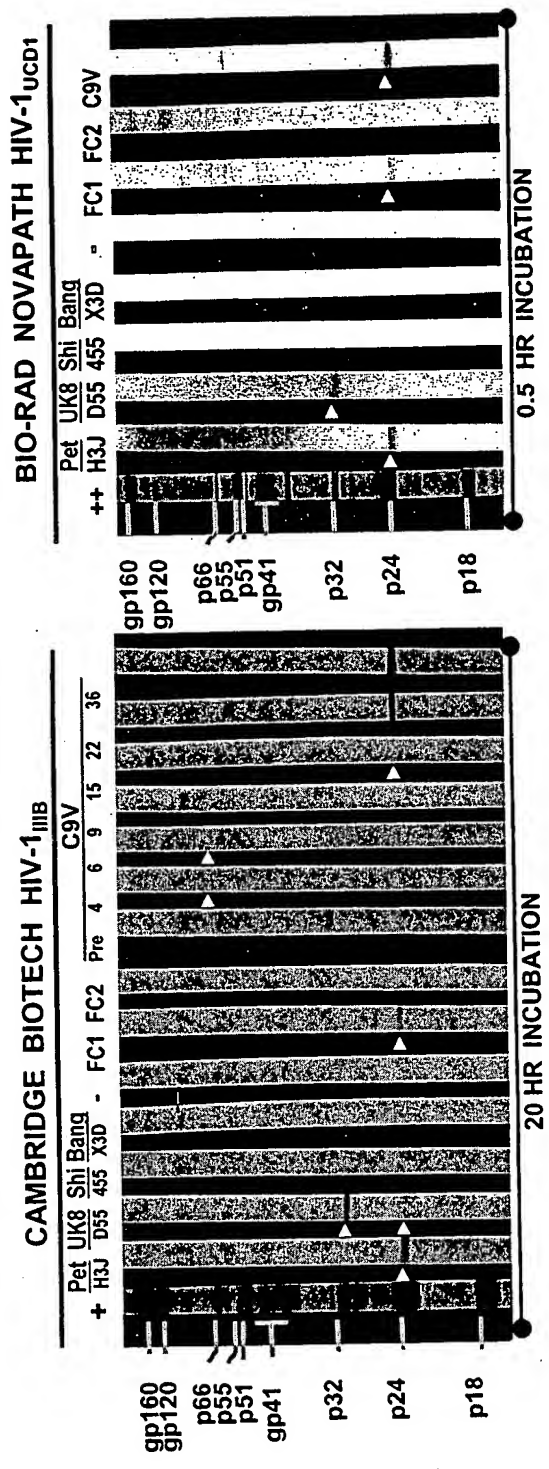


FIG. 5B

FIG. 5A

2022-2-20001

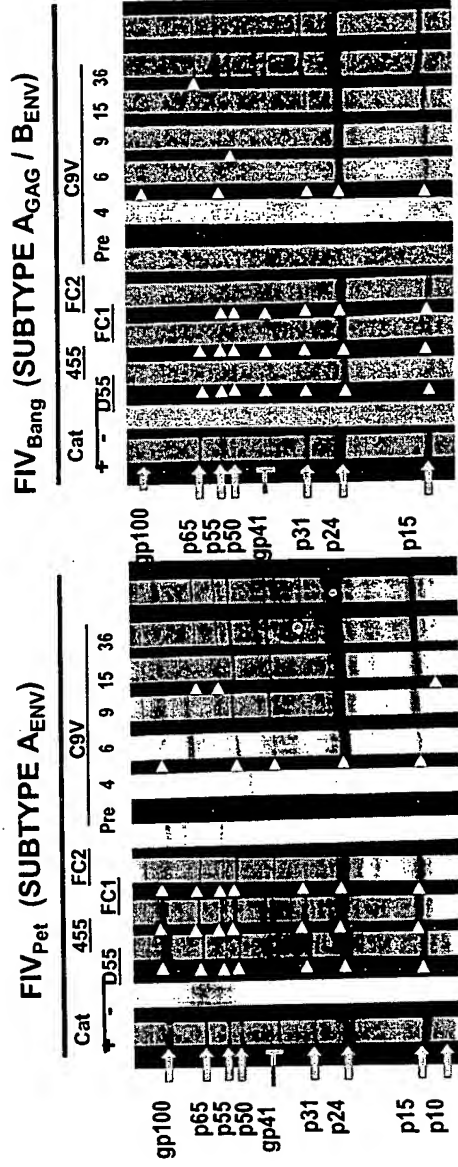


FIG. 5C

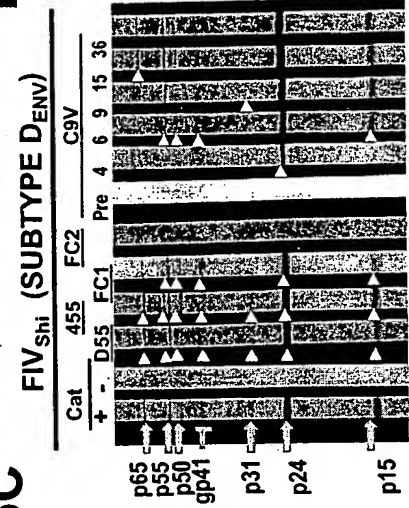


FIG. 5D

FIG. 5E

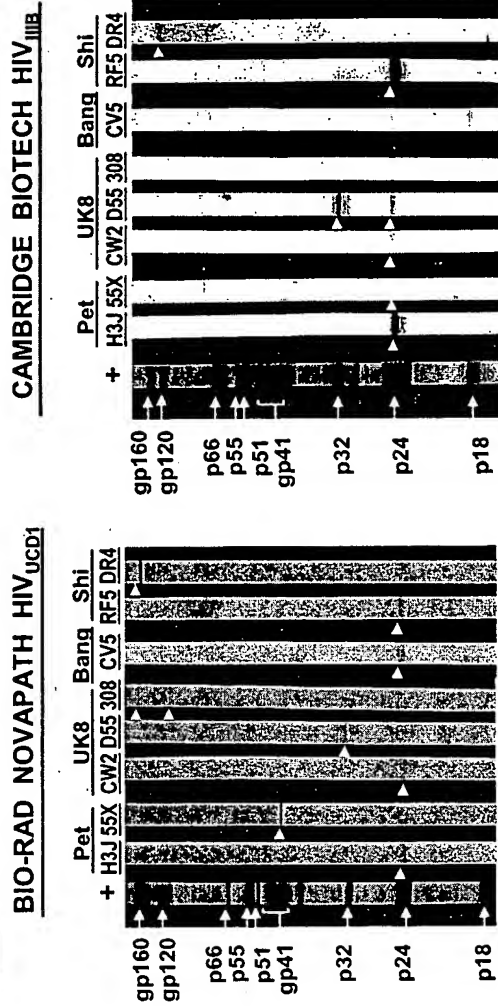
CAMBRIDGE BIOTECH HIV_{IIIB}

FIG. 6A.

FIG. 6B

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CAMBRIDGE BIOTECH HTLV-1/II

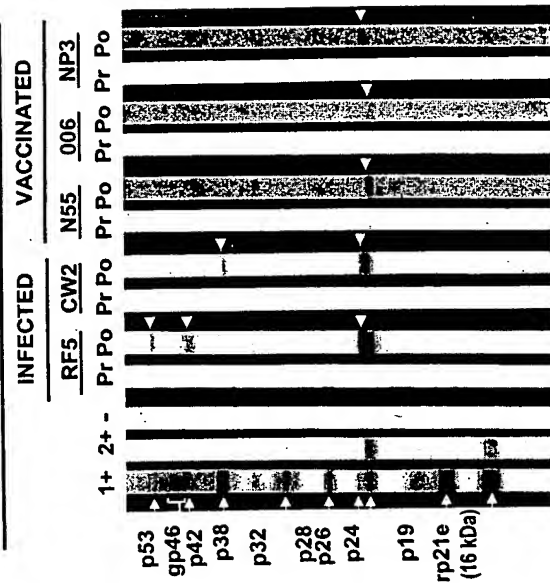


FIG. 6C

20220-22000

FIV_{Pet} IMMUNOBLOTS

BIO-RAD NOVAPATH HIV_{UCD-1}

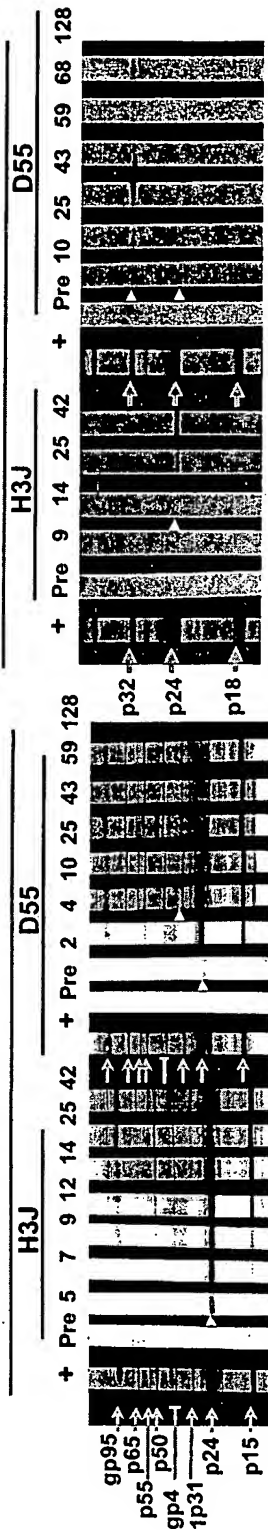


FIG. 7A

2002-2-22

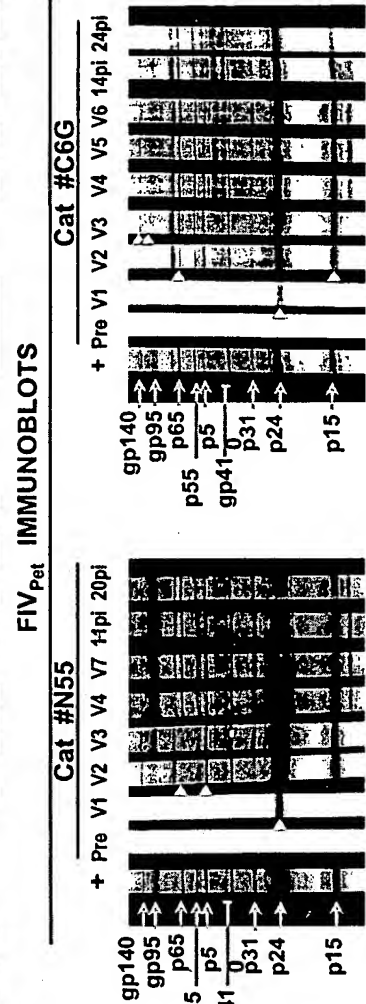
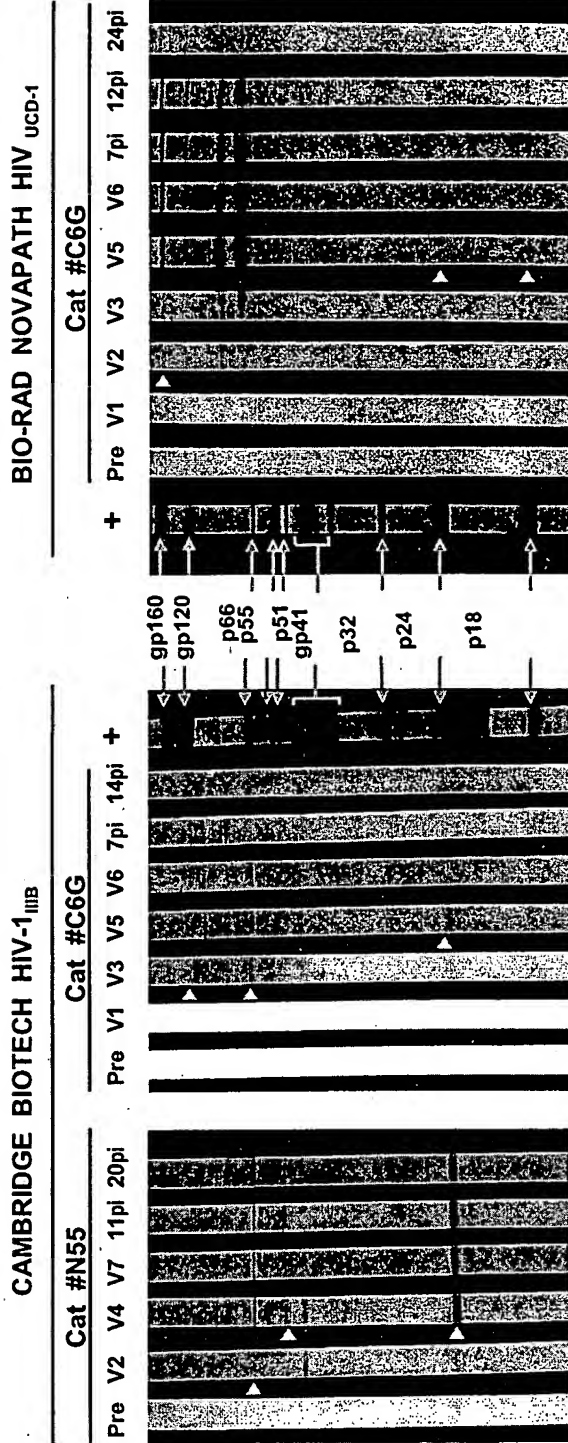


FIG. 7B

2022-2-27

FIV-INFECTED CELL ABSORPTION & FIV VIRUS COMPETITION

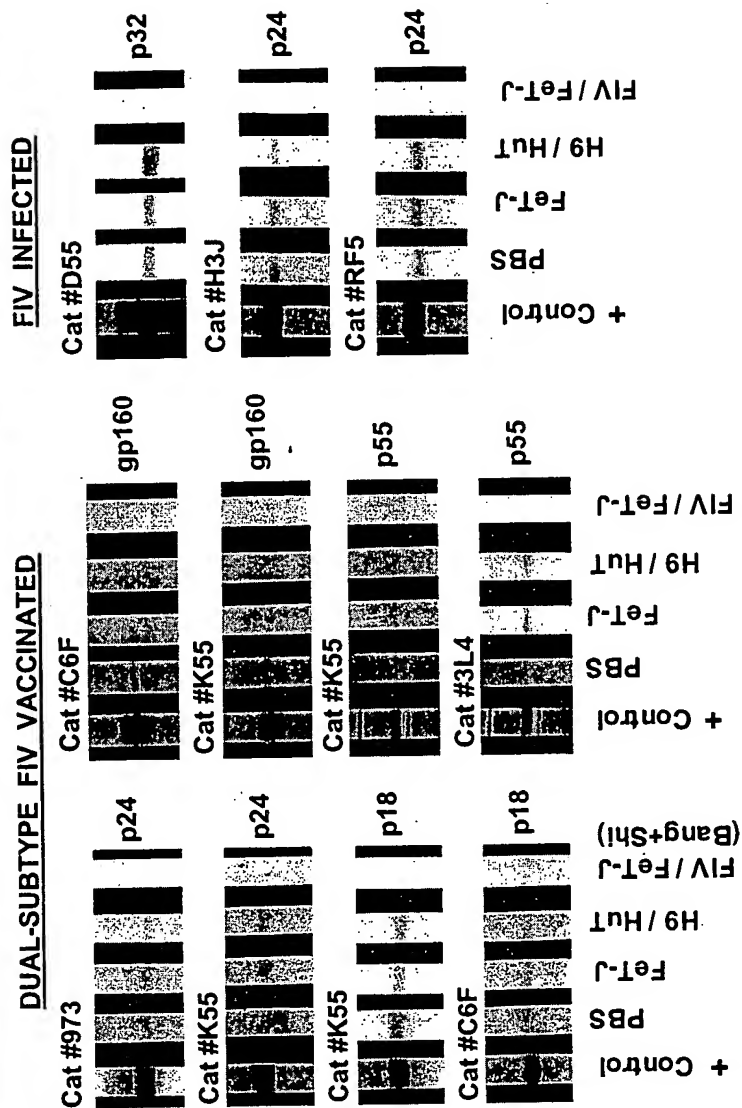


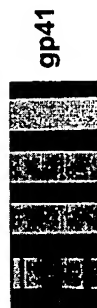
FIG. 8A

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HIV-INFECTED CELL ABSORPTION

DUAL-SUBTYPE FIV VACCINATED

Cat #973



Cat #3L4



+ Control
PBS
H9 / H_UT
HIV / H_UT

FIG. 8B

Western blot analysis showing the expression of gp160, gp120, and p85/p75 in various samples. The lanes are labeled as follows:

- gp160
- gp120
- p85
- p75

The samples are: + Control, PBS, FeT-J, H9 / HuT, and FIV / FeT-J. The gp160 and gp120 bands are present in the + Control, PBS, and FeT-J lanes, but absent in the H9 / HuT and FIV / FeT-J lanes. The p85 and p75 bands are present in all lanes.

FIG. 8D

2020-2-10

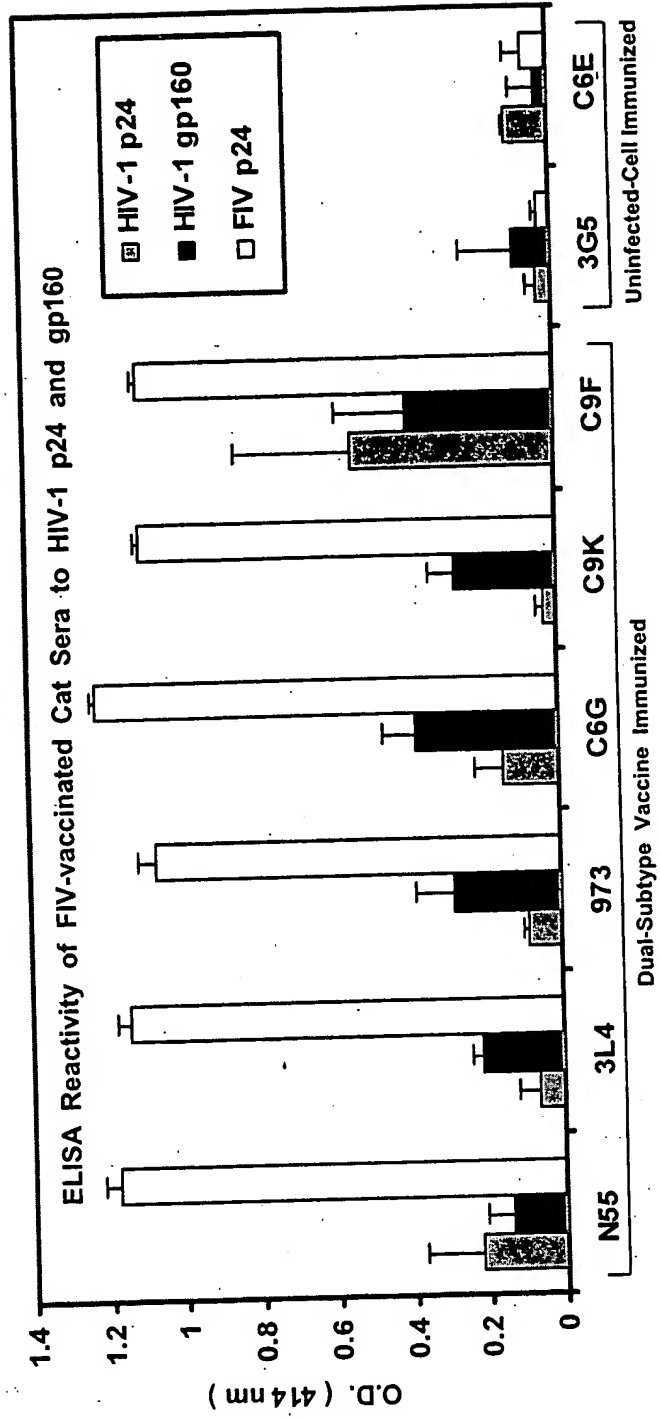


FIG. 9A

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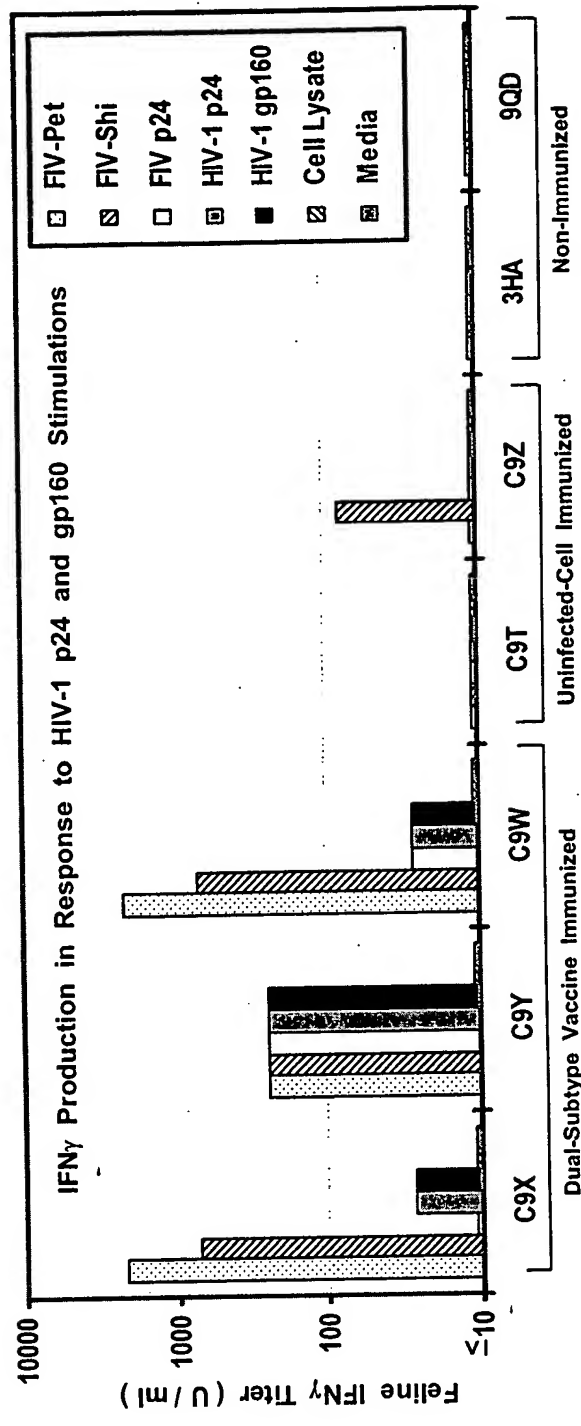


FIG. 9B

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Consensus --C-GC-GCTGAA-A-ATGTA--CTCA-ATGGGATTAGA-AC-AG-CCATCT---A--GA-----GG-GGAAA-G--G 385
 Pet gag TGCTGCAGCTGAAAAATATGTATTCTCAAAATGGGATTAGACACTAGGCCATCTATGAAGAAGCAGGTGGAAAAAGAGG 385
 Bang TGCTGCAGCTGAAAAACATGTATACTCAGATGGGATTAGACACACAGGCCATCTACAAGAGAAGCAGGAGGAAAAAGAGG 385
 JSY3 gag O TGCTGCAGCTGAAAAATATGTACACTCAGATGGGATTAGACACTAGACCATCTATGAGAGAAGCAGGAGGAAAAAGAGG 385
 UK8 gag TGCTGCAGCTGAAAAATATGTATCTCAGATGGGATTAGACACTAGACCATCTACAAAGGAAGCTGGAGGAAAAAGAGG 385
 Shizuoka TACTGCCGCTGAAAAATATGTATGCTCAGATGGGATTAGATACCTAGACCATCTTTAAAGGAGGCAGGAGGAAAGGTAG 133
 Aomori 1 CACAGCAGCTGAAAAATATGTATGCTCAGATGGGATTAGACACACAGCCATCTATATAAGAAAGTGGGGGAAAAAGAG 133
 TM2 gag CACAGCAGCTGAAAAATATGTATGCTCAGATGGGATTAGACACACAGCCATCTGTAAAAGAAAGTGGGGGAAAAAGAG 385
 RT Forward ----- 0
 RT Probe ----- 0
 RT Reverse ----- 0
 FC1 gag CGCAGCAGCTGAACACACATGTATGCTCAGATGGGATTAGATACACAGACCATCTATAAAAAGAAAGTGGGGGAAAAAGAG 385
 A9=4 ----- 0
 B4=5 ----- 0

Consensus A--G--CCTCCACAGGC-T-TCCTAT-CAACA--AAATGGAG-ACCA-A--A-GTAGC-CT-GA-CC-AAAAATGGT 462
 Pet gag AAGGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCACTTGACCCCAAAAAATGGT 461
 Bang AAAGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCACTTGACCCCAAAAAATGGT 461
 JSY3 gag O AAAGC-CCTCCACAGGCATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCACTTGACCCCAAAAAATGGT 461
 UK8 gag AAGGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCACTTGACCCCAAAAAATGGT 461
 Shizuoka A-GGAGCCTCCACAGGCATATCCTATCCAAACAATAAATGGAGTACCAACAATATGTAGCCCTGGATCCTTAAATGGT 209
 Aomori 1 AAGGA-CCTCCACAGGCTTATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGATCCAAAAATGGT 209
 TM2 gag AAGGA-CCTCCACAGGCTTATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGATCCAAAAATGGT 461
 RT Forward --AGC-CCTCCACAGGCATCTC----- 19
 RT Probe -----ATTCAACACGAATGGAGCACCACAATATG----- 31
 RT Reverse -----TTGACCCCAAAAAATGGT 16
 FC1 gag AAGGA-CCTCCACAGGCTTATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGACCCCAAAAAATGGT 461
 A9=4 -TAGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGACCCCAAAAAATGGT 75
 B4=5 --AGC-CCTCCACAGGCATATCCTATTCAACACAGTAAATGGAGTACCAACAATATGTAGCCCTTGACCCCAAAAAATGGT 74

FIG. 10

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Consensus	GTC-A-TTT-ATGGA-AA-GCAAGAGA-GG--TAGGAGG-GA-GA-GT-CA--T-TGGTT-AC-GC-TT-TC-GC-A	539
Pet gag	GTCCATTTTATGGAAGGCAAGAGAGGACTAGGAGGTGAGGAAGTTCAACTATGTTTACTGCTTCTCTGCAA	538
Bang	GTCCATTTTATGGAAGGCAAGAGAGGACTAGGAGGTGAGGAAGTTCAACTATGTTTACTGCTTCTCTGCAA	538
JSY3 gag O	GTCCATTTTATGGAAGGCAAGAGAGGACTAGGAGGTGAGGAAGTTCAACTATGTTTACTGCTTCTCTGCAA	538
UK8 gag	GTCTATTTTCATGGAAGGCAAGAGAGGTTAGGAGGTGAAGAAGTTCAACTATGTTTACAGCCCTTCTCTGCAA	538
Shizuoka	GTCCATTTTTCATGGAAGGCAAGAGAGGTTAGGAGGTGAAGAAGTTCAACTATGTTTACAGCCCTTCTCTGCAA	538
Aomori 1	GTCCATTTTTCATGGAAGGCAAGAGAGGTTAGGAGGTGAAGAAGTTCAACTATGTTTACAGCCCTTCTCTGCAA	286
TM2 gag	GTCCATTTTTCATGGAAGGCAAGAGAGGTTAGGAGGTGAAGAAGTTCAACTATGTTTACAGCCCTTCTCTGCAA	286
RT Forward	-----	19
RT Probe	-----	31
RT Reverse	GTCCA-----	21
FC1 GAG	GTCCATTTTATGGAAGGCAAGAGAGGCTAGGAGGTGAGGAGTCCAACTGTGTTTCACAGCCCTTTTCTGCTA	538
A9=4	G-----	76
B4=5	GTCCAA-----	80
Consensus	AT-TAAC--C-ACTGA-ATGGC-ACATTAAT-ATG-C-GC-CC-GG-TG-GC-GCAG-TAA-GA-AT--T-GA-GAA	616
Pet gag	ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGCCAGGCTGCAGATAAAGAAATATTGGATGAA	615
Bang	ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGCCAGGCTGCAGATAAAGAAATATTGGATGAA	615
JSY3 gag O	ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGCCAGGCTGCAGATAAAGAAATATTGGATGAA	615
UK8 gag	ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGCCAGGCTGCAGATAAAGAAATATTGGATGAA	615
Shizuoka	ATCTAACATCAACTGATATGGCTACATTAATCATGTCTGCACACCTGCAGAGATCTTAGATGAA	363
Aomori 1	ATTTAACATCAACTGATATGGCTACATTAATCATGTCTGCACACCTGCAGAGATCTTAGATGAA	363
TM2 gag	ATTTAACATCAACTGATATGGCTACATTAATCATGTCTGCACACCTGCAGAGATCTTAGATGAA	615
RT Forward	-----	19
RT Probe	-----	31
RT Reverse	-----	21
FC1 GAG	ATTTAACTTCAACTGATATGGCTACATTAATAATGTCTGCGCCTGGCTGTGCAGCAGATAAAGAGATCTTAGATGAA	615
A9=4	-----	76
B4=5	-----	80

FIG. 10---continued